

Date: Thursday, 6/29/2006 8:28:01 AM  
 User: Kim Johnston

## Process Sheet

<b>Customer</b> :	CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> :	SADDLE FITTING, AFT (OUTBOARD/INBOARD)
<b>Job Number</b> :	27763		
<b>Estimate Number</b> :	10533		
<b>P.O. Number</b> :	N/A	<b>Part Number</b> :	D2573
<b>This Issue</b> :	6/29/2006	<b>S.O. No.</b> :	N/A
<b>Prsht Rev.</b> :	NC	<b>Drawing Number</b> :	D2573 REV E
<b>First Issue</b> :	N/A	<b>Project Number</b> :	N/A
<b>Previous Run</b> :	27597	<b>Drawing Revision</b> :	E
<b>Written By</b> :	<b>Material</b> :		N/A
<b>Checked &amp; Approved By</b> :	<b>Due Date</b> :		7/15/2006
<b>Comment</b> :	<b>Qty:</b>		16
	<b>Um:</b>		Each

Comment: *SEE COMMENT BELOW*  
 Est: 1 As Per RevE 06-01-27 JLM

## Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description :

1.0

D6101007

7075-T7351 8.25X7.75X2.5



**Comment:** Qty.: 1.0000 Each(s)/Unit Total: 16.0000 Each(s)

7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2573

Ensure that grain is along 7.75" length

Batch No: \_\_\_\_\_

B23941 x 16

Ep/5.6

2.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



**Comment:** HAAS CNC VERTICAL MACHINING #1

Program Batch No. B27763 Double check by: *ml*

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

06/07/07

Ep/5.6 16

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE



**Comment:** CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 &amp; D2574

06/07/07

Ep/5.6 16

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE




**Comment:** INSPECT PARTS AS THEY COME OFF MACHINE

06/07/07

5.6/Ep 16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA:  Date: 06/07/13

NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Date: Thursday, 6/29/2006 8:28:02 AM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Job Number: 27763

Part Number: D2573

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

me 06/07/10

1

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

SAD 06/07/11

(16)

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

SC 06/07/12

(16)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

06/7/13 (16)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

50 351

06/7/13 (16)

(16)

10.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

06/07/13

Job Completion



06.07.13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	27763
<b>Description:</b> Saddle, Aft Outboard	<b>Part Number:</b>	D2573
<b>Inspection Dwg:</b> D2573 Rev. E		<b>Page 1 of 1</b>

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.438	0.443	DT8682	0.440	0.440	0.440	0.440		
B	1.745	1.755		1.747	1.748	1.746	1.748		
C	3.495	3.505		3.499	3.498	3.498	3.498		
D	1.745	1.755		1.747	1.748	1.746	1.748		
E	7.990	8.010		8.001	8.000	8.000	7.999		
F	0.490	0.510		0.500	0.499	0.498	0.497		
G	0.257	0.262	DT8683	0.258	0.258	0.258	0.258		
H	0.375	0.380	DT8684	0.376	0.376	0.376	0.376		
I	0.490	0.510		0.499	0.498	0.502	0.496		
J	1.174	1.184		1.177	1.177	1.177	1.178		
K	0.558	0.578		0.568	0.568	0.562	0.564		
L	1.174	1.184		1.177	1.177	1.177	1.178		
M	1.365	1.375		1.369	1.368	1.366	1.368		
N	2.495	2.505		2.499	2.498	2.497	2.495		
O	4.119	4.129		4.121	4.122	4.120	4.120		
P	0.115	0.135		0.130	0.128	0.124	0.124		
Q	0.115	0.135		0.127	0.126	0.135	0.135		
R	0.240	0.260		0.241	0.243	0.252	0.252		
S	0.115	0.135		0.119	0.121	0.123	0.120		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.236	0.236	0.240	0.235		
W	0.115	0.135		0.122	0.122	0.127	0.125		
X	0.308	0.313		0.310	0.310	0.310	0.310		
Y	0.760	0.765		0.761	0.761	0.765	0.765		
Z	0.352	0.372		0.364	0.365	0.363	0.365		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.627	0.627	0.626	0.624		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.249	0.249	0.247	0.243		
AE	1.500	1.520		1.512	1.509	1.510	1.511		
AF	0.115	0.135		0.125	0.125	0.135	0.135		
AG	0.240	0.280		0.247	0.247	0.260	0.260		
AH	0.240	0.260		0.245	0.247	0.250	0.245		
AI	2.000	2.020		2.001	2.001	2.001	2.002		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	J.G/En
Date:	06/07/04

Audited by:	MR
Date:	06/07/10

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	27763
<b>Description:</b> Saddle, Aft Outboard	<b>Part Number:</b>	D2573
<b>Inspection Dwg:</b> D2573 Rev. E		Page 1 of 1

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				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.438	0.443	DT8682	0.441	0.441	0.441	0.441		
B	1.745	1.755		1.745	1.745	1.747	1.746		
C	3.495	3.505		3.498	3.500	3.500	3.498		
D	1.745	1.755		1.745	1.745	1.747	1.746		
E	7.990	8.010		8.001	8.002	8.000	7.998		
F	0.490	0.510		0.493	0.493	0.496	0.497		
G	0.257	0.262	DT8683	0.257	0.257	0.257	0.257		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.493	0.497	0.499	0.498		
J	1.174	1.184		1.175	1.174	1.178	1.179		
K	0.558	0.578		0.567	0.564	0.564	0.565		
L	1.174	1.184		1.175	1.174	1.178	1.179		
M	1.365	1.375		1.366	1.365	1.370	1.369		
N	2.495	2.505		2.495	2.497	2.498	2.496		
O	4.119	4.129		4.120	4.119	4.120	4.119		
P	0.115	0.135		0.124	0.125	0.127	0.126		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.252	0.252	0.254	0.254		
S	0.115	0.135		0.121	0.118	0.120	0.125		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.233	0.235	0.240	0.237		
W	0.115	0.135		0.124	0.124	0.125	0.126		
X	0.308	0.313		0.310	0.310	0.310	0.310		
Y	0.760	0.765		0.765	0.765	0.765	0.765		
Z	0.352	0.372		0.361	0.367	0.370	0.367		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.626	0.624	0.627	0.627		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.243	0.247	0.244	0.246		
AE	1.500	1.520		1.515	1.514	1.515	1.514		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.244	0.247	0.251	0.246		
AI	2.000	2.020		2.005	2.003	2.005	2.004		
AJ	0.023	0.043		0.030	0.030	0.030	0.030		
Accept/Reject									

Measured by:	En
Date:	06/07/05

Audited by:	TR
Date:	06/10/10

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	<b>27763</b>
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<b>Inspection Dwg: D2573 Rev. E</b>		<b>Page 1 of 1</b>

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B	1.745	1.755		1.746	1.747	1.747	1.747		
C	3.495	3.505		3.497	3.498	3.497	3.498		
D	1.745	1.755		1.746	1.747	1.747	1.747		
E	7.990	8.010		8.001	8.000	8.000	8.001		
F	0.490	0.510		0.499	0.499	0.501	0.499		
G	0.257	0.262	DT8683	0.255	0.255	0.257	0.257		
H	0.375	0.380	DT8684	0.377	0.377	0.377	0.377		
I	0.490	0.510		0.497	0.498	0.500	0.501		
J	1.174	1.184		1.177	1.177	1.180	1.180		
K	0.558	0.578		0.567	0.567	0.569	0.569		
L	1.174	1.184		1.177	1.178	1.180	1.180		
M	1.365	1.375		1.368	1.368	1.367	1.367		
N	2.495	2.505		2.495	2.495	2.494	2.495		
O	4.119	4.129		4.120	4.121	4.122	4.120		
P	0.115	0.135		0.127	0.126	0.126	0.127		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.254	0.255	0.254	0.253		
S	0.115	0.135		0.119	0.119	0.119	0.119		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.236	0.237	0.233	0.234		
W	0.115	0.135		0.126	0.127	0.125	0.124		
X	0.308	0.313		0.310	0.310	0.310	0.310		
Y	0.760	0.765		0.765	0.765	0.765	0.765		
Z	0.352	0.372		0.369	0.364	0.365	0.364		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.626	0.624	0.622	0.621		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.242	0.241	0.240	0.243		
AE	1.500	1.520		1.516	1.513	1.511	1.512		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.240	0.241	0.240	0.241		
AI	2.000	2.020		2.005	2.003	2.001	2.002		
AJ	0.023	0.043		0.030	0.030	0.030	0.030		
Accept/Reject									

Measured by:	<b>EP 15.6</b>
Date:	<b>06/07/06</b>

Audited by:	<b>JME</b>
Date:	<b>06/07/10</b>

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	<b>27763</b>
<b>Description: Saddle, Aft Outboard</b>	<b>Part Number:</b>	<b>D2573</b>
<b>Inspection Dwg: D2573 Rev. E</b>		<b>Page 1 of 1</b>

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F	0.490	0.510		0.500	0.499	0.499	0.501		
G	0.257	0.262	DT8683	0.258	0.258	0.258	0.258		
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Y	0.760	0.765		0.761	0.761	0.761	0.761		
Z	0.352	0.372		0.364	0.363	0.364	0.364		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.624	0.620	0.623	0.624		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.244	0.244	0.244	0.244		
AE	1.500	1.520		1.512	1.511	1.510	1.511		
AF	0.115	0.135		0.130	0.131	0.132	0.132		
AG	0.240	0.280		0.249	0.247	0.247	0.249		
AH	0.240	0.260		0.251	0.252	0.252	0.253		
AI	2.000	2.020		2.001	2.002	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by:	<b>J.G</b>
Date:	<b>06/07/07</b>







Audited by:	<b>[Signature]</b>
Date:	<b>06/07/07</b>

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<b>[Signature]</b>



05.12.06

MATERIAL: 7075-T7351 (QQ-A-250/12)  
(REF DART SPEC. D6102-001)  
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1  
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER  
DART QSI 005 4.3  
BREAK ALL SHARP EDGES 0.010 TO 0.020  
TOLERANCES: ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- |   |   |
|---|---|
|  | ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010  |
|  | ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD 0.125  |
|  | CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)   |
|  | CHAMFER 0.063" x 45° ALL AROUND   |
|  | CHAMFER 0.033" x 45° (SEE DETAIL C)  |

E	05.07.13	ADD CHAMFER ON RIDGE NOTE 5
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCRP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE

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PERSON WITHOUT WRITTEN PERMISSION FROM  
DART AEROSPACE LTD.

DESIGN	DRAWN BY		DART AEROSPACE LTD. HAMPSHIRE, ONTARIO, CANADA
DS	PH		
CHECKED 	APPROVED 	DRAWING NO. D2573	REV. _____
DATE 05.07.13		TITLE OUTER AFT SADDLE	SHEET 1 OF SCALE 2:1

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
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WORK ORDER  
NO. 27763